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Mar 21, 1977

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TITLE: Electrochemical regeneration of ion-exchange resins - following water purification using an electro-dialyser and a magnetic field

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PATENT-ASSIGNEE: KUZBASS POLY (KUZB)

PRIORITY-DATA: 1975SU-2118637 (April 1, 1975)

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PATENT-FAMILY:

	PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
<input type="checkbox"/>	<u>SU 548294 A</u>	<u>March 21, 1977</u>		000	

INT-CL (IPC): B01D 15/06; C02C 5/12

ABSTRACTED-PUB-NO: SU 548294A

BASIC-ABSTRACT:

Electrochemical regeneration of ion-exchange resin, which are used in purification of ordinary and heavy waters, various electrolyte solns, effluents, sewage, etc., takes place in the desalination chamber of an electro-dialyser with selective ion-exchange membranes. The degree of regeneration is increased, the time for the process is reduced and regeneration uniformity throughout the volume of ionite is raised by carrying out the process in a constant magnetic field.

The strength of the field is 500-1000 and it is oriented at right angle to the electric field in such a way that a resulting upwardly directed force is generated as a result of the interaction between the two fields.

ABSTRACTED-PUB-NO: SU 548294A

EQUIVALENT-ABSTRACTS:

DERWENT-CLASS: D15 J01

CPI-CODES: D04-A01G; D04-B11; J01-D04;

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